AMENDMENT

In The Claims:

Please amend the claims as follows:

Claims 1 – 18 (Cancelled)

19. (Currently amended) A method of promoting successful regeneration and functional reconnection of damaged neural pathways in a mammal, comprising administering a therapeutically or prophylactically effective amount of at least one oligonucleotide having a sequence at least 80% identical to a sub-sequence of SEQ ID NO 1 comprising 8 to 50 nucleobases, wherein said sequence is capable of hybridizing sufficiently with the region encompassing the translation initiation ~~or termination~~ codon of the open reading frame of the gene encoding Transforming growth factor β receptor II, or a region of the mRNA encoding Transforming growth factor β receptor II which is a "loop" or "bulge" and which is not part of a secondary structure.

20. (Previously presented) The method according to claim 19, further comprising administrating mimetics and variants thereof and/or at least one antisense compound comprising a vector allowing to transcribe at least one said oligonucleotide or a pharmaceutical formulation comprising at least one said oligonucleotide according to claim 19.

21. (Previously presented) The method according to claim 20, wherein at least one said oligonucleotide and said mimetics and variants thereof and/or at least one said antisense compound or said pharmaceutical formulation are used for prophylaxis, therapeutic prevention and treatment of neurodegenerative, traumatic / posttraumatic, vascular/hypoxic,

neuroinflammatory and postinfectious Central Nervous System disorders, as well as age induced decreases in neuronal stem cell renewal.

Claim 22. (Cancelled)

23. (Previously presented) The method according to claim 20, wherein the neurodegenerative disorders and neuroinflammatory disorders are selected from the group comprising: Alzheimer's diseases, Parkinson's disease, Creutzfeldt Jakob disease (CJD), new variant of Creutzfeldt Jakobs disease (nvCJD), Hallervorden Spatz disease, Huntington's disease, Multisystem Atrophy, Dementia, Frontemporal Dementia, Amyotrophic Lateral Sclerosis, Spinal Muscular Atrophy, Spinocerebellar Atrophies (SCAs), or other Motor Neuron Disorders, schizophrenia, affective disorders, major depression, meningoencephalitis, Multiple Sclerosis (MS), acute ischemic / hypoxic lesions, stroke, CNS and spinal cord trauma, head and spinal trauma, microangiopathic dementia, Binswanger' disease (Leukoaraiosis), retinal degeneration, cochlear degeneration, macular degeneration, cochlear deafness, AIDS-related dementia, retinitis pigmentosa, fragile X-associated tremor/ataxia syndrome (FXTAS), progressive supranuclear palsy (PSP), striatonigral degeneration (SND), olivopontocerebellear degeneration (OPCD), Shy Drager syndrome (SDS), age dependant memory deficits, neurodevelopmental disorders associated with dementia, Down`s Syndrome, synucleinopathies, Superoxide Dismutase Mutations, Trinucleotide Repeat Disorders, trauma, hypoxia, CNS-ageing.

Claims 24 – 39 (Cancelled)